

### **REMARKS/ARGUMENTS**

Claims 1-20 remain in the application. Claims 1, 4, 6-8, 10, 12 and 14 are amended to more distinctly describe the invention. Claims 21-32 are added by this amendment. No new matter is added.

The courtesy of a telephone interview on April 8, 2005 to discuss the Unger reference is appreciated.

#### **A. Rejections under 35 U.S.C. 102.**

Claims 1-3 and 5-7 were rejected under Xin et al. This rejection is respectfully traversed. Xin et al. teach CdSe quantum dots that are compositionally non-uniform (CdSe grown on ZnSe). Independent claim 1 is amended to limit the claim to compositionally uniform nanomaterial and is, therefore, distinguished from Xin et al.

Additionally, the independent claims have been modified to limit them to nanoparticles with an aspect ratio greater than 2. The support for this amendment is available in paragraph 95 at page 29.

The other cited references are believed to have effective dates that are after the priority date of the instant application. Accordingly, it is believed that these references are unavailable to support a rejection under 35 U.S.C. 102 and it is respectfully requested that the rejections be withdrawn.

#### **B. New claims 21-32.**

New claims 21-32 are supported at least at paragraph [0036] and [0093] of the specification as originally filed. Claims 28 through 32 are supported at least at paragraph [0107]. Claims 21-32 are allowable for at least the same reasons as the claims from which they depend.

#### **C. Conclusion.**

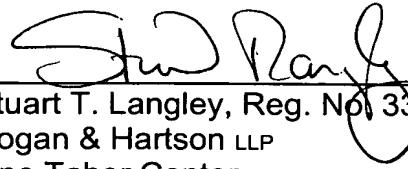
In view of all of the above claims 1-32, as amended, are believed to be allowable and the case in condition for allowance which action is respectfully

requested. The references that were cited and not relied upon are believed to be no more pertinent than those references that were relied upon.

Any fee deficiency associated with this submittal may be charged to Deposit Account No. 50-1123.

Respectfully submitted,

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